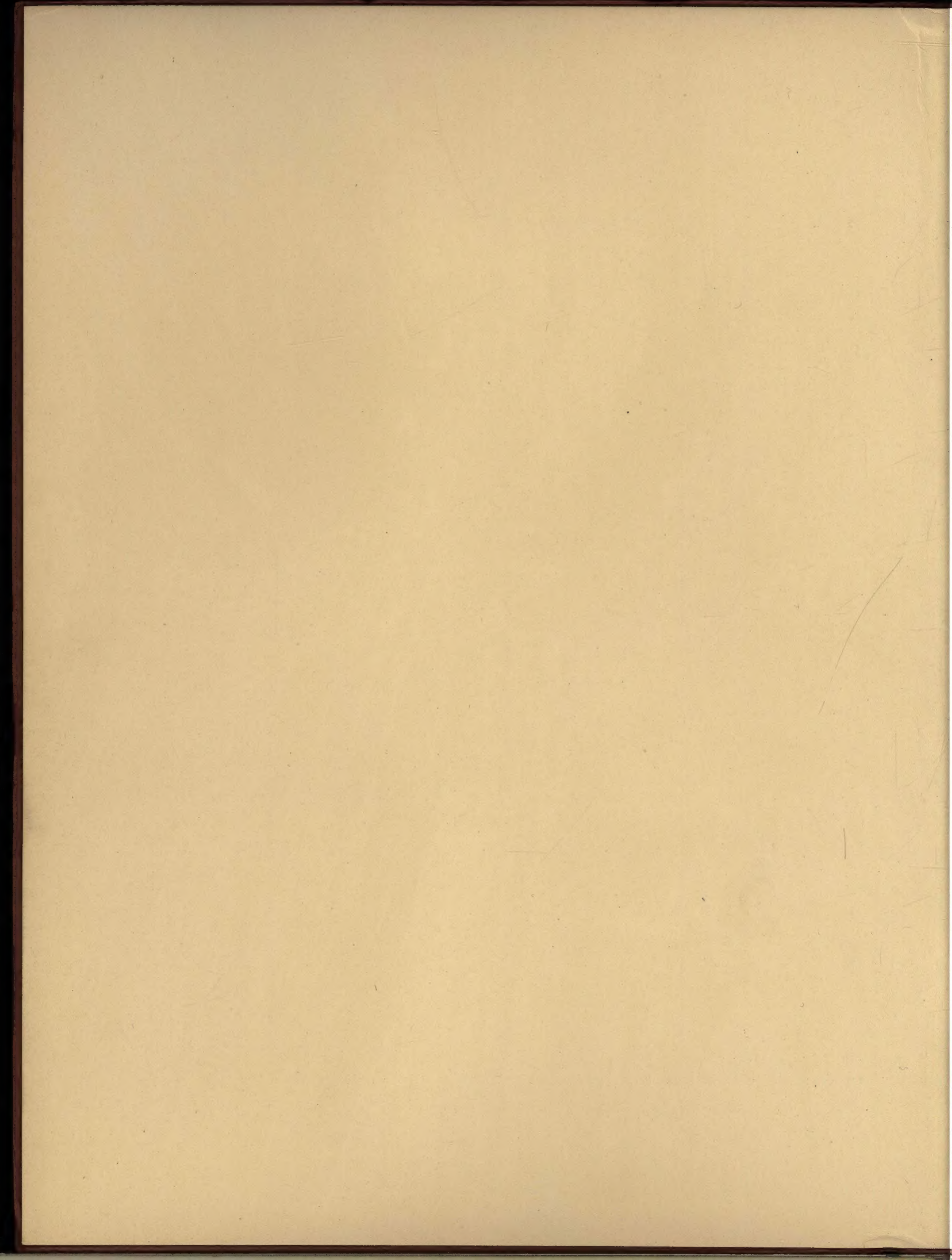


LATIN TILES





(1923)

(I 286)

~~60~~

54

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

**BUILDING
TECHNOLOGY
HERITAGE
LIBRARY**

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

**NATIONAL
BUILDING
ARTS
CENTER**

<http://web.nationalbuildingarts.org>



LATIN TILES

GLADDING · McBEAN & CO



SAN FRANCISCO · CROCKER BUILDING
LOS ANGELES · TRUST & SAVINGS BANK BUILDING
OAKLAND · TWENTY-SECOND & MARKET STS
WORKS · AT LINCOLN · CALIFORNIA

Copyright, 1923, by Gladding, McBean & Co.

Printed by Taylor & Taylor, San Francisco

LATIN TILES



IN THE YEAR 1913, Willis Polk returned from Spain filled with enthusiasm over the picturesque tile roofs of the Latin countries. Convinced that the same artistry of form and color was possible in a modern medium, he took his problem to Peter McGill McBean, who at once undertook the task of its solution, which culminated in the creation of Cordova Tile, the first of the Latin Tiles. Gladding, McBean & Co. developed a clay mixture and method of burning which gave a wide variation of color under the fires of the kilns, in a strong, dense tile, and in 1915 they patented a method of manufacture.

The color range is from a light (almost lemon) yellow through the russets and reds to a deep purple or gun-metal; but no attempt is made either at the factory or the building to sort the individual colors. The natural fire-blend eliminates discordant notes or artificiality.

The Cordova form is a third of a circle, with straight and parallel sides, which can be used interchangeably for the trough or cover tiles, or for hips and ridges; can be laid regularly or irregularly, and be doubled at the eaves or in the field. Its universal adaptability is a considerable factor in the beauty of the finished roof. It is remarkably "human" in scale and plays its part comfortably on buildings widely dissimilar in character and size.

Realizing that in producing the tile their objective of a beautiful roof was only partly accomplished, Gladding, McBean & Co. adopted the policy of laying the roofs themselves, except where distance makes the cost prohibitive.

The architect's first experience with a Cordova roof is a revelation to him of how sympathetic a medium he is working with. Two hundred or so tile are laid for his inspection. If the first result does not meet with his approval, the same tile are rearranged in a few minutes and the suggested change made in the general color tone and texture, or in both. This seeming magic is really a simple manipulation of colors, already blended in the kilns, made possible by the shape of the tiles. The combinations are innumerable, but the nature of the clay gives to all the roofs a soft rose overtone which is perhaps their greatest charm. He realizes that in giving the building a beautiful, permanent weather- and fire-proof crown, he has at his command unchanging colors, with all the flexibility of pastels. If the dust of summer dims their brilliance, the first rain will restore them in all their glory; if the succeeding generation finds moss and lichen establishing themselves, it will but lend an added charm.

The Italian Pan Tile is made in a width to give relative equality between the

trough and the medium Cordova cover tiles. Both pans and covers can be laid irregularly. For certain types of buildings this shape is a welcome variant, having a certain formality without the sacrifice of color or texture.

The old type of American-Spanish tiles required exact regularity in the laying, making diagonal lines unavoidable. To overcome these disadvantages and retain the economy of the type, Gladding, McBean & Co. have perfected two shapes, the Escalona and the English Broad Pan. The Escalona is a true "S" shape, so made that it will nest perfectly from either side and throughout its length, making possible irregular laying and doubling of the eaves. The English Broad Pan Tile is an unsymmetrical "S" type, which can be laid irregularly, but does not lend itself so readily to the doubling of the eaves.

Both the Escalona and the English Broad Pan are light in weight, and do not require strips. They are made in the same clays and with the same color blend and variation as the Cordova; but as the weather surface of each tile is of a different proportion, and as the appearance differs from the left or right, there is a slight loss in esthetic perfection, counterbalanced by their economy.

Gladding, McBean & Co. feel an intense pride in their tile roofs, in the close personal friendship of architects and owners, and believe that they have made a real contribution to American architecture. Their roofs have successfully withstood the rigors of the climate from the Pacific to the Atlantic. They are in use in many states and in the Hawaiian Islands, and in each locality the first roof has been a seed from which others grew, until from a Californian it has become an American product.

The first edition of "LATIN TILES," published in 1919, has been exhausted, and this second edition is offered in the hope that it will receive the same cordial reception as its predecessor.

GLADDING, McBEAN & CO.

LATIN TILES , , GLADDING , McBEAN & CO



Fifteenth-Century Castle and Village, Pavone, Province of Piedmont, Italy

MEDIEVAL HAND-MADE TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Mission San Juan, San Juan, California

E A R L Y C A L I F O R N I A H A N D - M A D E T I L E

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Casino della Villa Farnese, Caprarola, Italy

RENAISSANCE
HAND-MADE
TILE



Patio of the Colegio de San Gregorio, Valladolid, Spain

RENAISSANCE
HAND-MADE
TILE

LATIN TILES , , GLADDING , McBEAN & CO



A. B. C. Dobrmann House, San Francisco, California

Willis Polk & Company, Architects

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



S. W. Bixby House, Los Angeles, California

Elmer Grey, Architect

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Pavilion, Garden of J. L. Severance, Pasadena, California

Reginald D. Johnson, Architect

ITALIAN PAN TILE WITH
MEDIUM CORDOVA COVER TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Water Temple, Sunol, California

Willis Polk & Company, Architects

SMALL CALIFORNIA MISSION TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Standard Oil Building, San Francisco, California

George W. Kelbam, Architect

LARGE
CORDOVA
TILE



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Salinas High School, Salinas, California

Ralph Wyckoff, Architect



Same as above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



D. L. James House, Carmel Highlands, California

C. Sumner Greene, Architect

MEDIUM
CORDOVA
TILE



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



D. L. James House, Carmel Highlands, California

C. Sumner Greene, Architect



Same as above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Piedmont High School, Piedmont, California

William H. Weeks, Architect

MEDIUM
CORDOVA
TILE



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Hollywood Country Club, Hollywood, California

William Lee Woollett, Architect



Same as above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O

MEDIUM
CORDOVA
TILE



Students Union, Stanford University

Bakewell & Brown, Architects



Same as above

LATIN TILES, GLADDING, McBEAN & CO



Students Union, Stanford University

Bakewell & Brown, Architects

MEDIUM CORDOVA TILE

LATIN TILES, GLADDING, McBEAN & CO



Malcolm McNaghten House, La Cañada, California

Reginald D. Johnson, Architect

MEDIUM
CORDOVA
TILE



Same as above

LATIN TILES, GLADDING, McBEAN & CO



Mrs. Winifred McLaughlin Leet House, San Jose, California

Clarence A. Tantau, Architect



Same as above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Major Max Fleischmann House, Montecito, California

Reginald D. Johnson, Architect

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Major Max Fleischmann House, Montecito, California

Reginald D. Johnson, Architect



Same as above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Mrs. E. W. Halliday House, Santa Monica, California

Pierpont and Walter S. Davis, Architects

MEDIUM CORDOVA TILE

LATIN TILES, GLADDING, McBEAN & CO



Robert G. McGann House, Montecito, California

Guy Lowell, Architect

MEDIUM CORDOVA TILE

LATIN TILES, GLADDING, McBEAN & CO

• MEDIUM
CORDOVA
TILE



P. J. Walker House, Piedmont, California

George W. Kelham, Architect



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



P. J. Walker House, Piedmont, California

George W. Kelham, Architect

MEDIUM
CORDOVA
TILE



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Alpha Sigma Fraternity House, Berkeley, California

Mitchell, Miller & Hays, Architects

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Northern Electric Railway Station, Marysville, California

E. C. Hemmings, Architect

MEDIUM CORDOVA TILE

LATIN TILES · GLADDING · McBEAN & CO



Flintridge Country Club, Flintridge, California

Myron Hunt, Architect

MEDIUM
CORDOVA
TILE



Same as above



Flintridge Country Club, Flintridge, California

Myron Hunt, Architect

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O

ENGLISH
BROAD PAN
TILE



Dr. J. W. Calkins House, Oakland, California

Maybeck & White, Architects



Group of Houses, Sea Cliff, San Francisco, California

Earle B. Bertz, Architect

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Carmelite Monastery, Santa Clara, California

Maginnis & Walsh, Architects

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Grammar School, Yuba City, California

George C. Sellon & Company, Architects

E N G L I S H B R O A D P A N T I L E

LATIN TILES , , GLADDING , McBEAN & CO



San Ysidro School, Gilroy, California

Wyckoff & White, Architects

ESCALONA TILE

L A T I N T I L E S , G L A D D I N G , M C B E A N & C O

MEDIUM
CORDOVA
TILE



Carmelite Monastery, Santa Clara, California

Maginnis & Walsh, Architects



Robert G. McGann Garage, Montecito, California

Guy Lowell, Architect

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Otis Elevator Company Office, Portland, Oregon

George W. Kelbam, Architect

MEDIUM
CORDOVA
TILE



Daly City Bank, Daly City, California

William H. Toepke, Architect

LARGE
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O

MEDIUM
CORDOVA
TILE



Charles W. Clark House, Pebble Beach, California

Bakewell & Brown, Architects



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



MEDIUM
CORDOVA
TILE

Charles W. Clark House, Pebble Beach, California

Bakewell & Brown, Architects



Same as above



J. H. Ramboz House, Glendora, California

Aleck Curlett, Architect

MEDIUM
CORDOVA
TILE



Same as above

LATIN TILES, GLADDING, McBEAN & CO



L. D. Allen House, Sea Cliff, San Francisco, California

Bliss & Faville, Architects



Same as above

MEDIUM
CORDOVA
TILE

LATIN TILES, GLADDING, McBEAN & CO

ENGLISH
BROAD PAN
TILE



Same as below



Jefferson School, Sacramento, California

Hemmings-Petersen-Hudnutt-Inc., Architectural & Engineering Commission; Dean & Dean, Successors

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Fremont School, Sacramento, Cal.

Hemmings-Petersen-Hudnutt-Inc., Architectural & Engineering Commission; Dean & Dean, Successors

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



George W. Kelbam House, San Francisco, California

George W. Kelbam, Architect

MEDIUM CORDOVA TILE



Robert G. McGann House, Montecito, California

Guy Lowell, Architect

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Mrs. F. W. McNear House, Burlingame, California

Bakewell & Brown, Architects

MEDIUM
CORDOVA
TILE



Same as above

LATIN TILES , , GLADDING , McBEAN & CO



Mrs. F. W. McNear House, Burlingame, California

Bakewell & Brown, Architects

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O

MEDIUM
CORDOVA
TILE



D. H. Hamilton House, Memphis, Tennessee

Lord & Hewlett, Architects



W. H. Brophy House, Los Angeles, California

Elmer Grey, Architect

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Edward Lowe House, Montecito, California

Reginald D. Johnson, Architect

MEDIUM
CORDOVA
TILE



Paul Masson House, Pebble Beach, California

John A. Baur, Architect

SMALL
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



St. Bartholomew's Church, New York City

Bertram G. Goodbue, Architect

UPPER ROOFS LARGE CORDOVA
LOWER ROOFS MEDIUM CORDOVA TILE



Sacred Heart Church and Rectory, Washington, D. C.

Murphy & Olmsted, Architects; Maginnis & Walsb, Associated

MEDIUM CORDOVA TILE

LATIN TILES , , GLADDING , McBEAN & CO



George Cook House, Pebble Beach, California

Pierpont and Walter S. Davis, Architects

MEDIUM
CORDOVA
TILE



Same as above

LATIN TILES, GLADDING, McBEAN & CO



J. H. P. Atkins House, Piedmont, California

J. H. P. Atkins, Architect



Same as above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Colonel Charles S. Diebl House, San Antonio, Texas

George Willis, Architect

MEDIUM CORDOVA TILE



J. P. Jefferson House, Montecito, California

Reginald D. Johnson, Architect

LARGE MISSION TILE

LATIN TILES , GLADDING , McBEAN & CO



E. P. Gavit House, Montecito, California

Reginald D. Johnson, Architect

MEDIUM
CORDOVA
TILE



Same as above



E. P. Gavit House, Montecito, California

Reginald D. Johnson, Architect

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Mrs. W. H. Bliss House, Montecito, California

Carlton M. Winslow, Architect

CALIFORNIA
MISSION
TILE



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Court, Mrs. Andrew Welch House, San Francisco, California

Willis Polk & Company, Architects

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



John Parkinson House, Los Angeles, California

John Parkinson, Architect

MEDIUM
CORDOVA
TILE



Same as above



William H. Crocker House, Hillsborough, California

Lewis P. Hobart, Architect

SMALL ITALIAN PAN TILE
WITH SMALL MISSION COVER TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Gate Lodge. Ben R. Meyer Estate, Beverly Hills, California

Johnson, Kaufmann & Coate, Architects

MEDIUM
CORDOVA
TILE



Same as above

LATIN TILES, GLADDING, McBEAN & CO



John Lawson House, near Woodside, California

Bliss & Faville, Architects



Garage to above

MEDIUM
CORDOVA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Mrs. Walter F. Dillingham Estate, Honolulu

David Adler & Robert Work, Architects

MEDIUM CORDOVA TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Mrs. Walter F. Dillingham Estate, Honolulu

David Adler & Robert Work, Architects



Same as above

MEDIUM
CORDOVA
TILE

SHINGLE
TILE



Charles Boldt House, Beverly Hills, California

Elmer Grey, Architect



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



ESCALONA
TILE

Mission High School, San Francisco, California

John Reid, Jr., Architect



Same as above

LATIN TILES, GLADDING, McBEAN & CO



J. Harvey McCarthy Co., Administration Office, Los Angeles, California

Curlett & Beelman, Architects

MEDIUM
CORDOVA
TILE



Same as above

LATIN TILES, GLADDING, McBEAN & CO



Campbell Union Grammar School, Campbell, California

W. H. Weeks, Architect



Same as above

ESCALONA
TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



Dr. W. H. Roberts House, Pasadena, California

Myron Hunt, Architect

MEDIUM CORDOVA TILE

LATIN TILES · GLADDING · McBEAN & CO



U. S. Veterans' Hospital, Palo Alto, California

U. S. Treasury Department, Architect



Same as above

MEDIUM
CORDOVA
TILE

LATIN TILES, GLADDING, McBEAN & CO



M. H. Adamson House, Los Angeles, California

Elmer Grey, Architect

MEDIUM
CORDOVA
TILE



Same as above

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



John L. Severance Potting Shed, Pasadena, California

Reginald D. Johnson Architect

ITALIAN BROAD PAN TILE
WITH MEDIUM CORDOVA COVER TILE

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O

MEDIUM
CORDOVA
TILE



Same as below



Federal Building, Honolulu, Territory of Hawaii

York & Sawyer, Architects

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



P. T. Burtis House, Sacramento, California

Dean & Dean, Architects



Same as above

ENGLISH
BROAD PAN
TILE

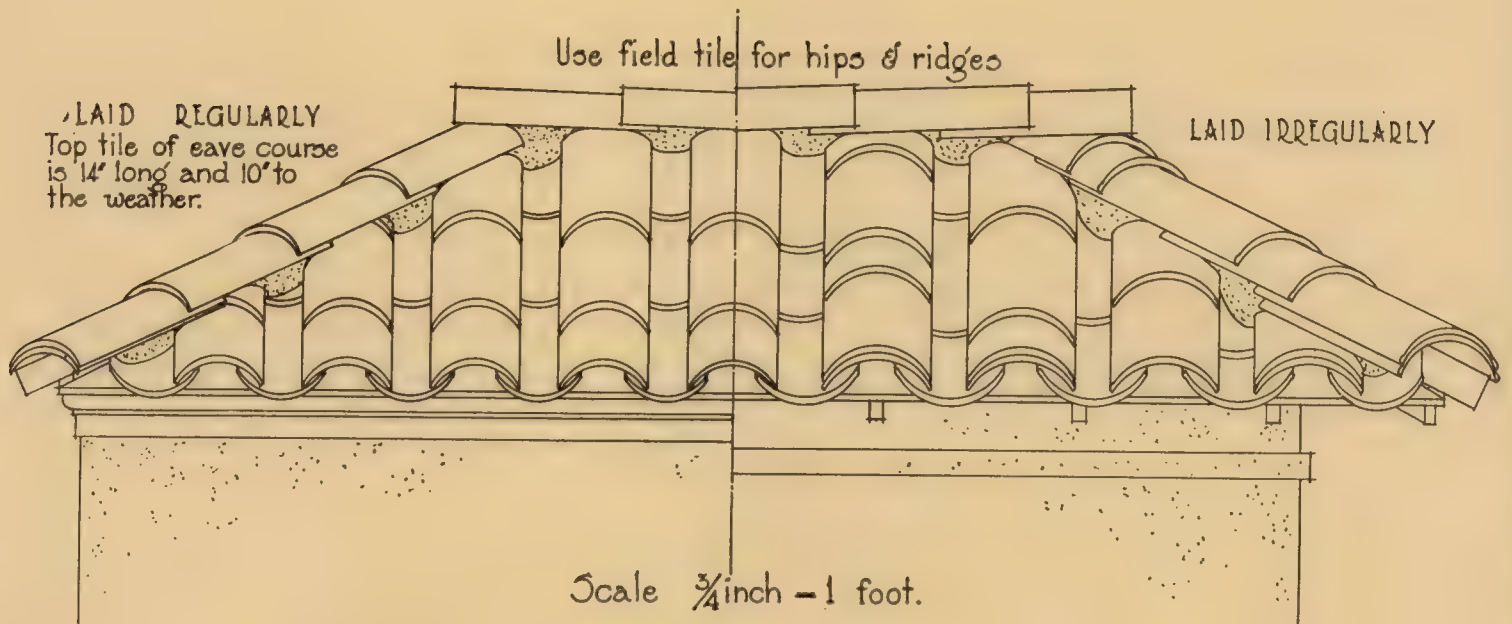


California Commercial Union Building, San Francisco

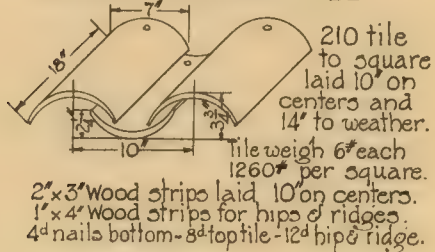
George W. Kelham, Architect

LATIN TILES
DETAILS OF CONSTRUCTION
AND SPECIFICATIONS

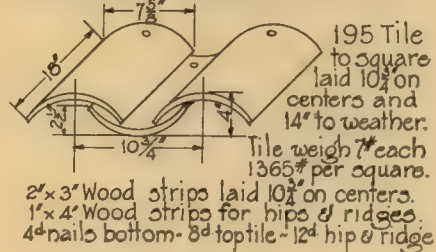
LATIN TILES, GLADDING, McBEAN & CO



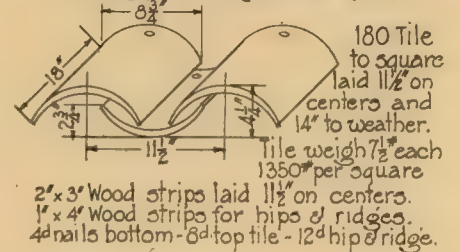
SMALL CORDOVA TILE



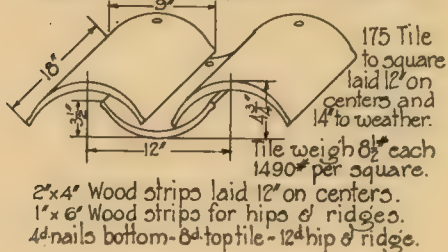
MEDIUM CORDOVA TILE



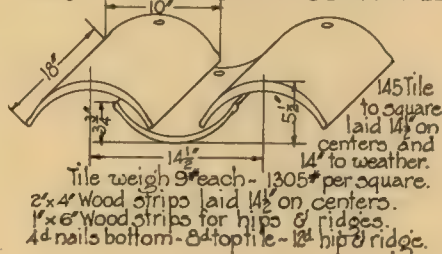
LARGE CORDOVA TILE



SMALL CALIFORNIA MISSION TILE



LARGE CALIFORNIA MISSION TILE



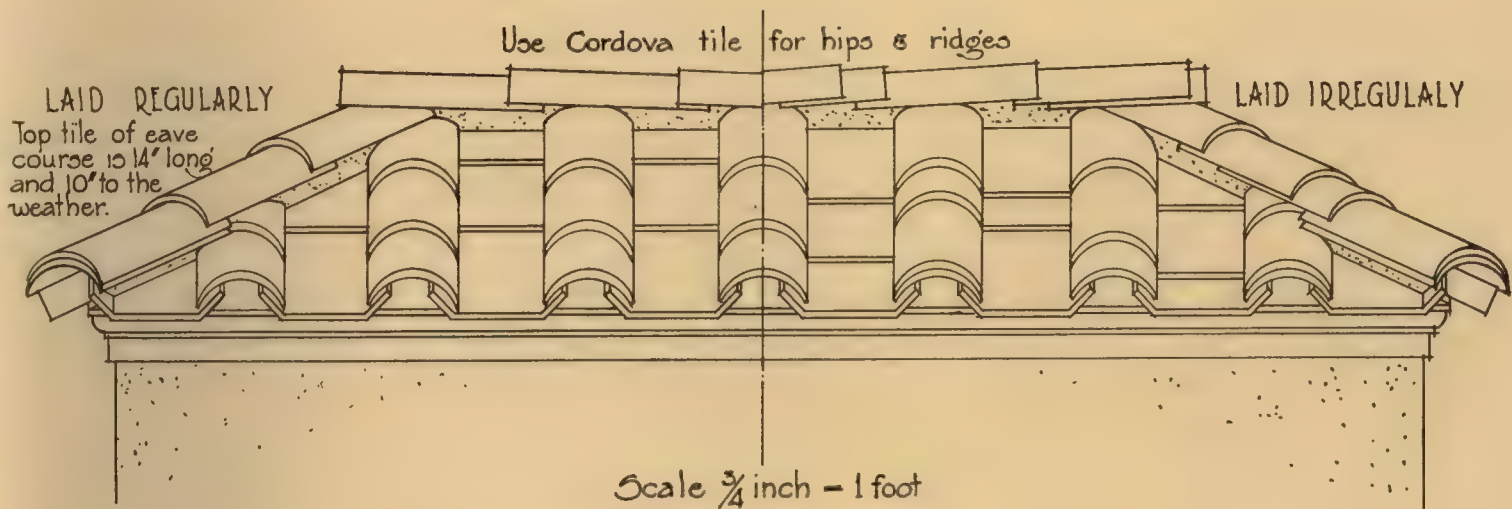
NOTE

Refer to Plates 4 to 7 for special eaves and gable construction and miscellaneous information.

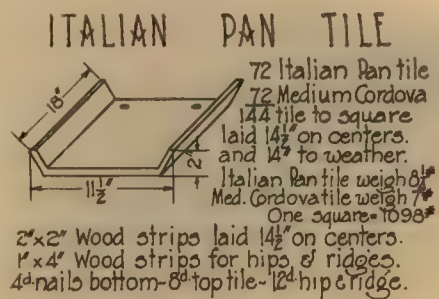
CORDOVA AND CALIFORNIA MISSION TILE

PLATE ONE

LATIN TILES, GLADDING, McBEAN & CO

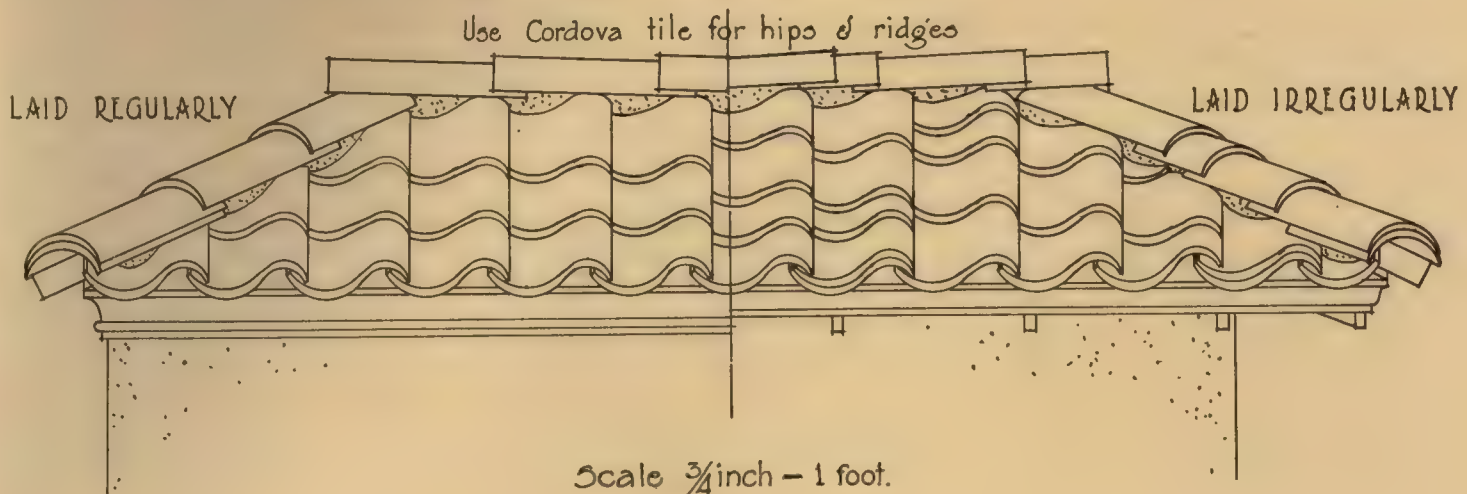
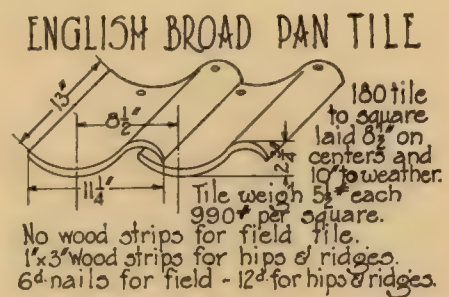


CORDOVA AND ITALIAN PAN TILE



NOTE

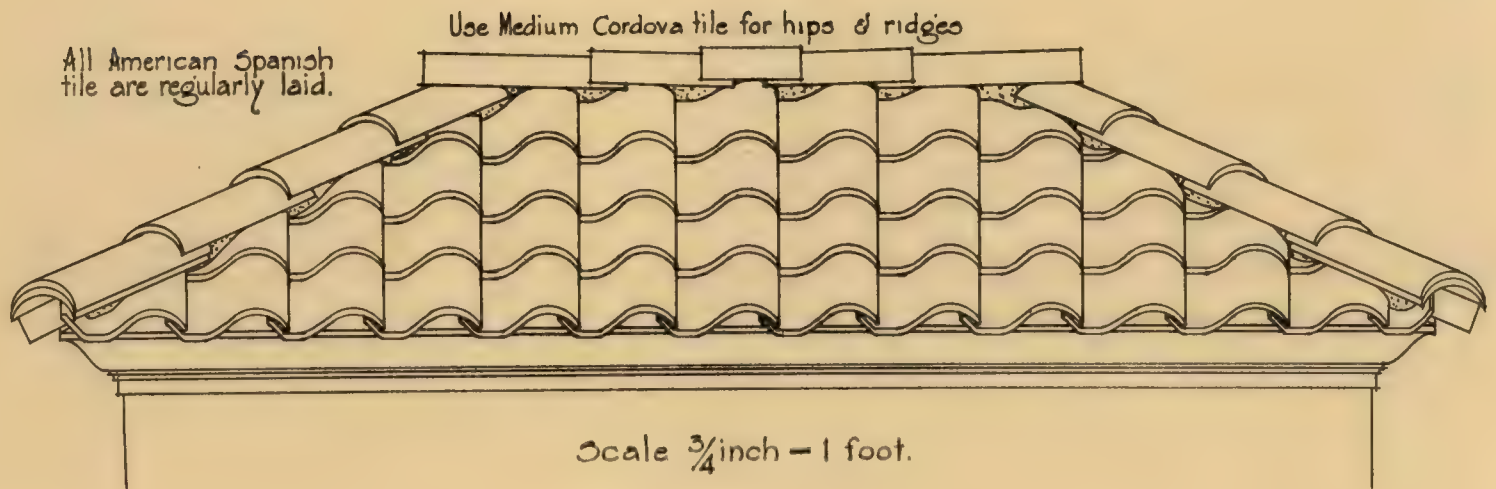
Refer to Plates 4 to 7
for special eaves and
gable construction and
miscellaneous information.



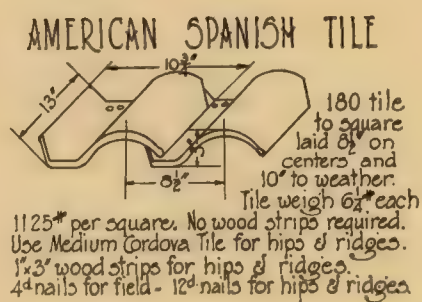
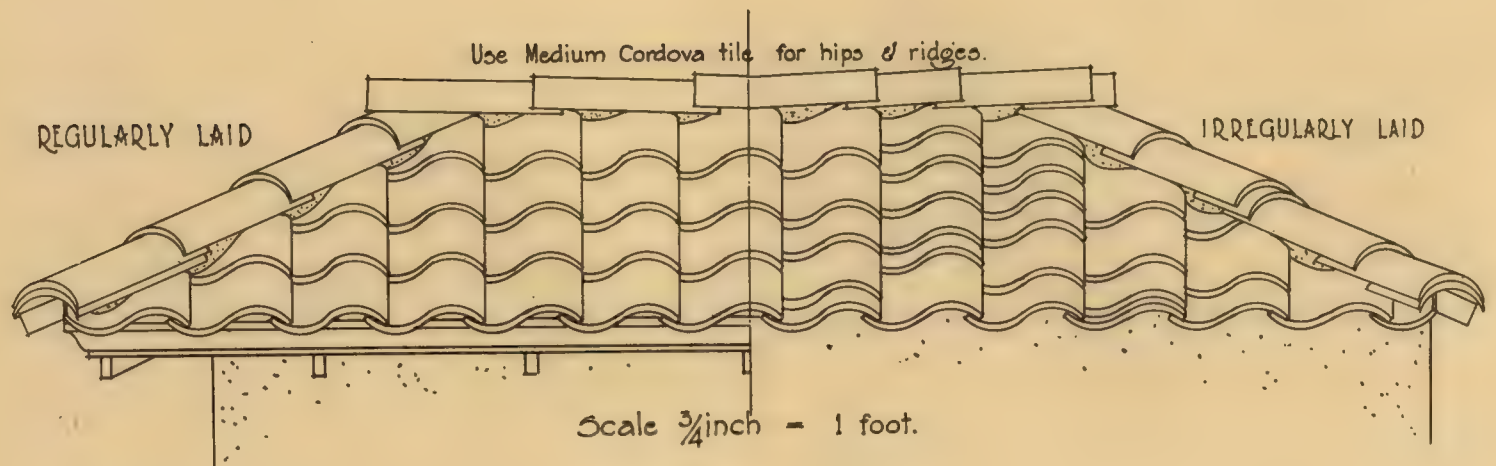
ENGLISH BROAD PAN TILE

PLATE TWO

L A T I N T I L E S , , G L A D D I N G , M C B E A N & C O



A M E R I C A N S P A N I S H T I L E

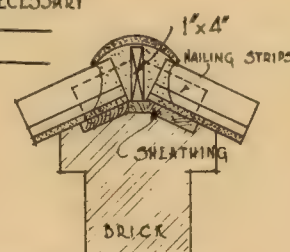
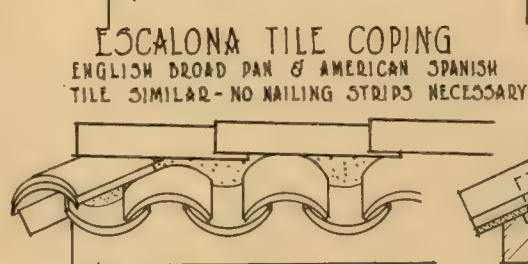
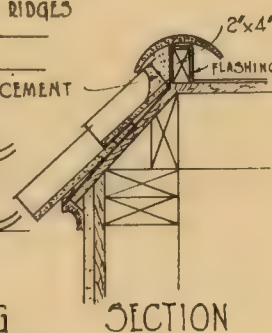
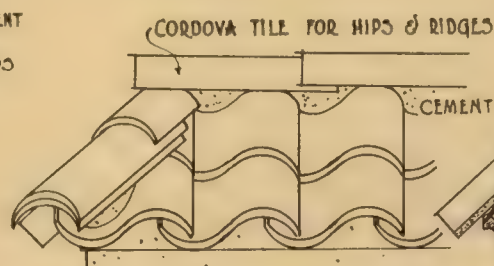
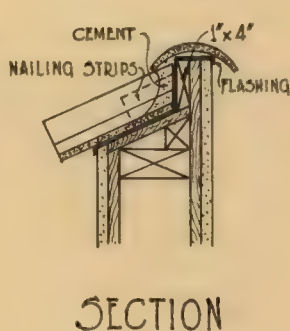
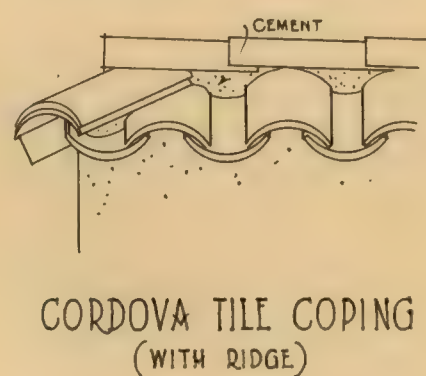
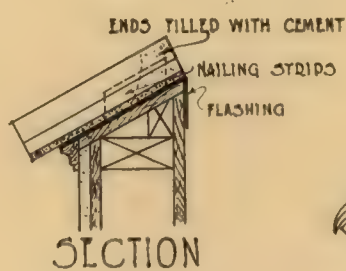
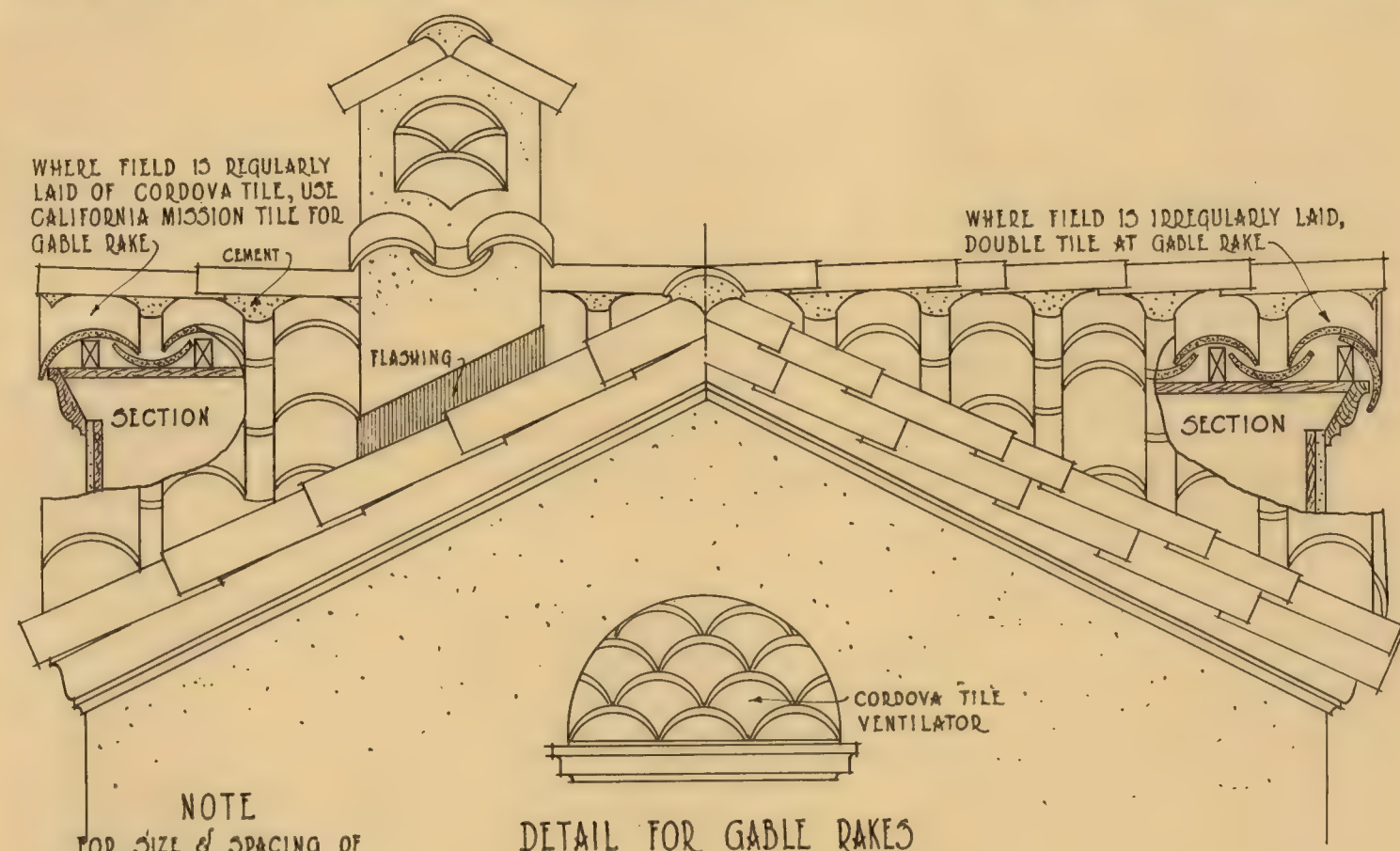


NOTE
Refer to Plates 4 to 7
for special eaves and
gable construction and
miscellaneous information.

E S C A L O N A T I L E

P L A T E T H R E E

LATIN TILES, GLADDING, McBEAN & CO



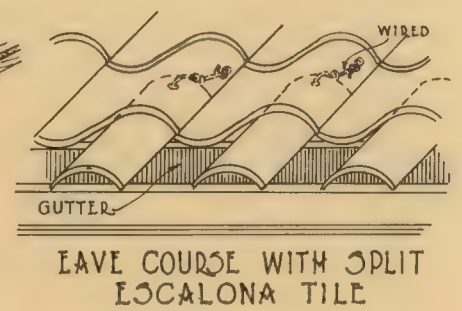
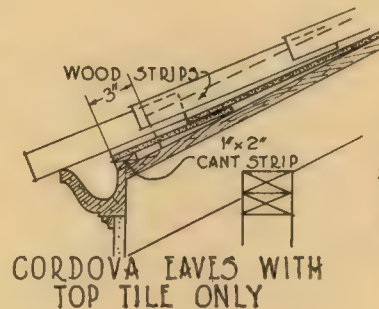
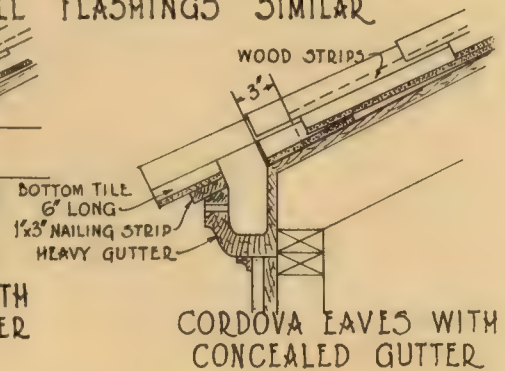
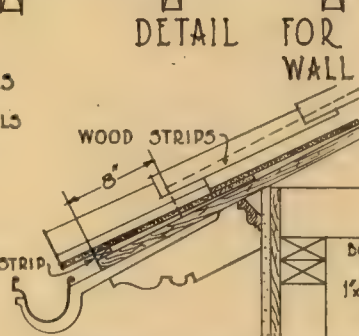
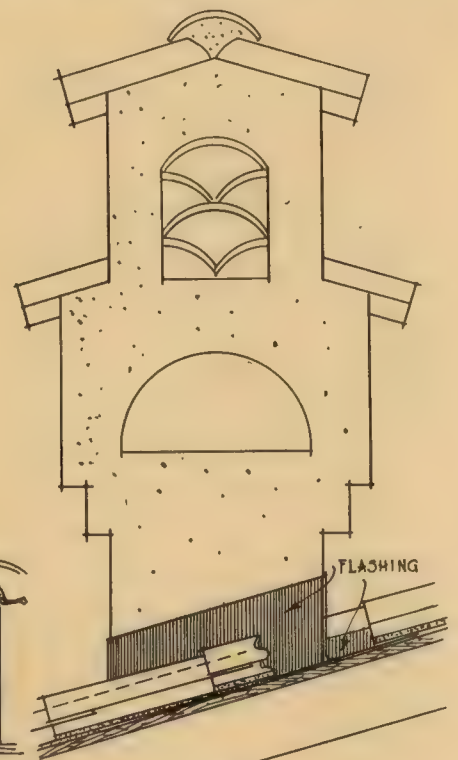
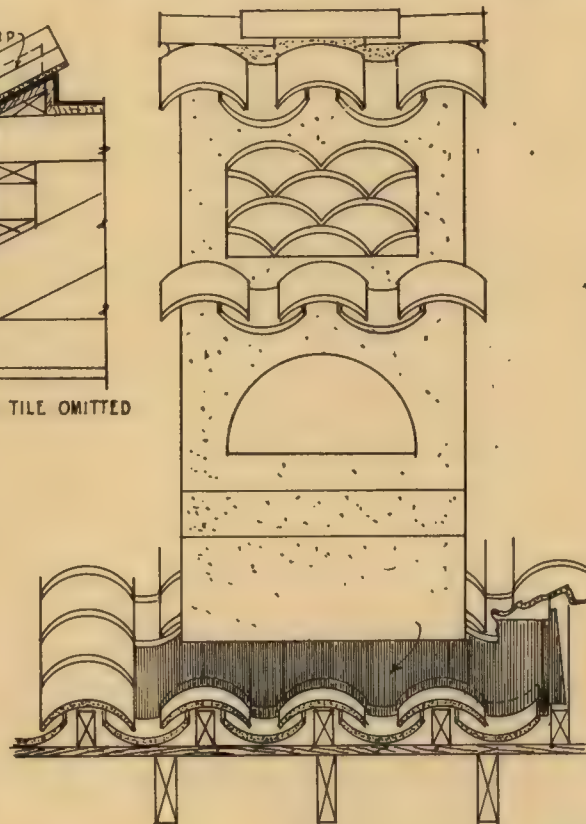
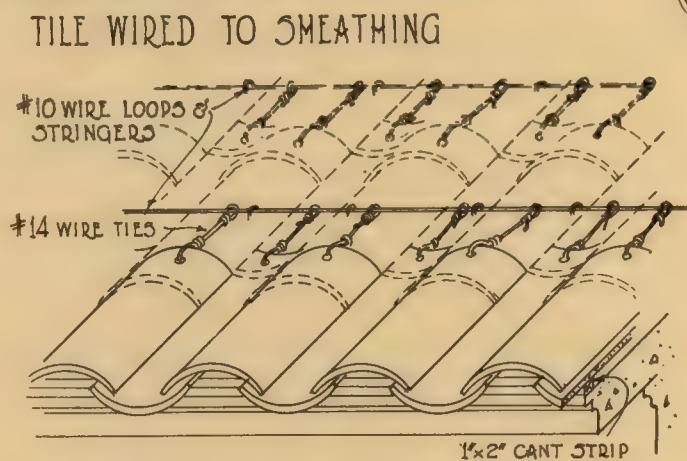
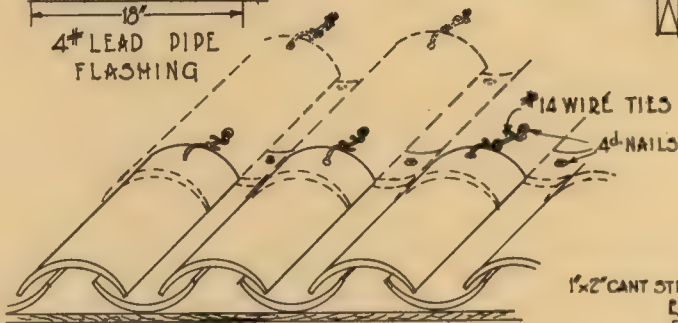
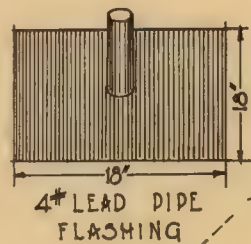
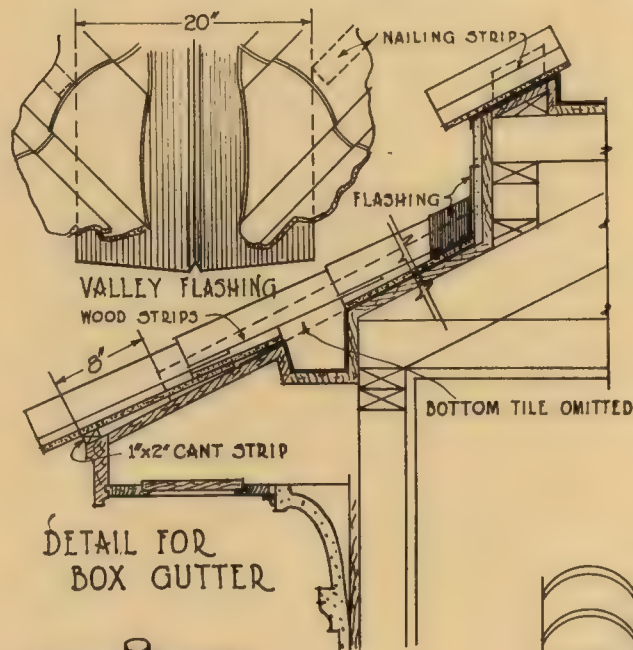
CORDOVA TILE DOUBLE COPING SECTION

SCALE $\frac{3}{4}$ IN. = 1 FT.

DETAILS FOR GABLES AND COPINGS

PLATE FOUR

LATIN TILES, GLADDING, McBEAN & CO

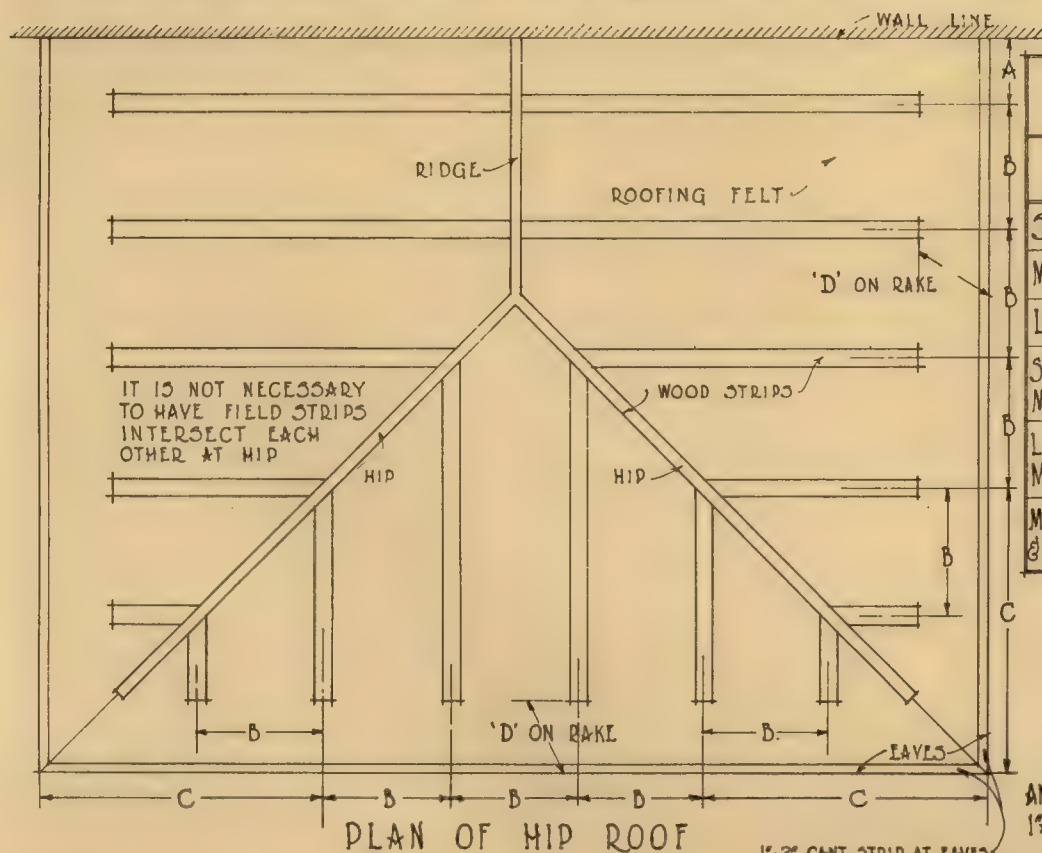


SCALE $\frac{3}{4}$ IN. - 1 FT.

DETAILS FOR FLASHINGS, GUTTERS AND WIRED TILE

PLATE FIVE

LATIN TILES, GLADDING, McBEAN & CO



PLAN OF HIP ROOF

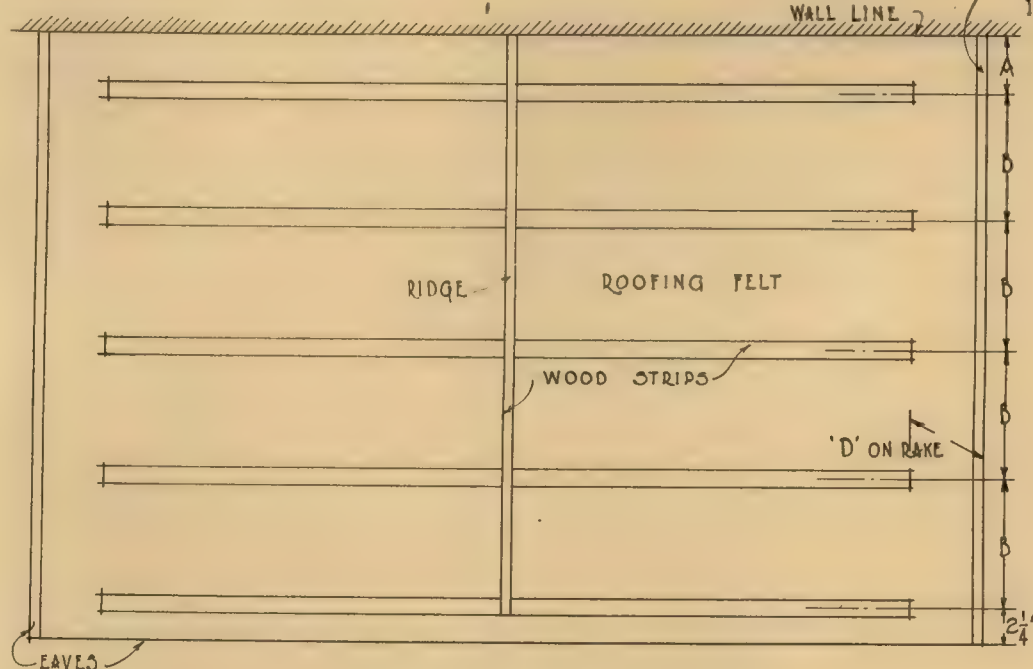
DIMENSIONS				
NAME OF TILE	DIMENSIONS OF			SIZE OF STRIPS
	A	B	C	
SMALL CORDOVA	5"	10"	1'-10"	FIELD 2"x3" HIPS & RIDGES 1 1/4"
MEDIUM "	5"	10 3/4"	2'-0"	FIELD 2"x3" HIPS & RIDGES 1 1/4"
LARGE "	5"	11 1/2"	2'-2"	FIELD 2"x3" HIPS & RIDGES 1 1/4"
SMALL CALIFORNIA MISSION TILE	6"	12"	2'-3"	FIELD 2"x4" HIPS & RIDGES 1 1/4"
LARGE CALIFORNIA MISSION TILE	7"	14 1/2"	2'-5"	FIELD 2"x4" HIPS & RIDGES 1 1/4"
MEDIUM CORDOVA & ITALIAN PAN TILE	5"	14 1/2"	2'-5"	FIELD 2"x2" HIPS & RIDGES 1 1/4"

DISTANCE 'D' IS 8".
SEE PLATE 5 FOR
EAVES WITH GUTTERS.

FOR ENGLISH BROAD PAN AND
AMERICAN SPANISH TILE USE
1 1/2"x3" STRIPS FOR HIPS & RIDGES

FOR ESCALONA TILE USE
1 1/2"x4" STRIPS FOR HIPS & RIDGES.

NO STRIPS ARE REQUIRED
IN FIELD FOR ESCALONA,
ENGLISH BROAD PAN OR
AMERICAN SPANISH TILE.



PLAN OF GABLE ROOF

SCALE 3/4" IN - 1 FT.

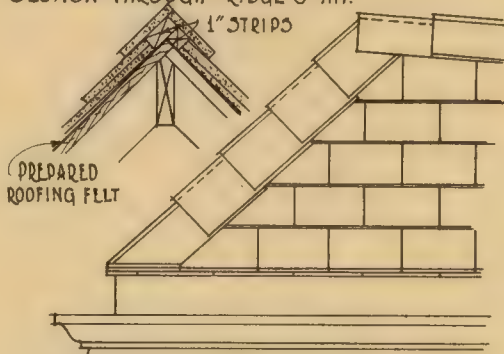
DETAILS FOR SPACING WOOD STRIPS

PLATE SIX

LATIN TILES, GLADDING, McBEAN & CO

NAME OF TILE	DIMENSIONS	TILE LAID TO THE WEATHER	TILE LAID CENTER TO CENTER	WOOD STRIPS	WEIGHT AND NUMBER OF TILE TO SQUARE	NAILS	
SMALL CORDOVA		REGULARLY LAID. TOP TILE AT EAVES - 10" IN FIELD - 14"	10"	2"x3"-10" 9/16" FOR FIELD. 1"x4" FOR HIPS & RIDGES	6# EACH. 1260# PER SQUARE. 210 TILE PER SQUARE.	4d NAILS BOTTOM. 8d " TOP. 12d HIP & RIDGES	
MEDIUM CORDOVA		REGULARLY LAID. TOP TILE AT EAVES - 10" IN FIELD - 14"	10 3/4"	2"x3"-10 3/4" 9/16" FOR FIELD. 1"x4" FOR HIPS & RIDGES	7# EACH. 1365# PER SQUARE. 195 TILE PER SQUARE.	4d NAILS BOTTOM. 8d " TOP. 12d HIP & RIDGES	
LARGE CORDOVA		REGULARLY LAID. TOP TILE AT EAVES - 10" IN FIELD - 14"	11 1/2"	2"x3"-11 1/2" 9/16" FOR FIELD. 1"x4" FOR HIPS & RIDGES	7 1/2# EACH. 1350# PER SQUARE. 180 TILE PER SQUARE.	4d NAILS BOTTOM. 8d " TOP. 12d HIP & RIDGES	
SMALL CALIFORNIA MISSION		REGULARLY LAID. TOP TILE AT EAVES - 10" IN FIELD - 14"	12"	2"x4"-12" 9/16" FOR FIELD. 1"x6" FOR HIPS & RIDGES.	8 1/2# EACH. 1490# PER SQUARE. 175 TILE PER SQUARE.	4d NAILS BOTTOM. 8d " TOP. 12d HIP & RIDGES.	
LARGE CALIFORNIA MISSION		REGULARLY LAID. TOP TILE AT EAVES - 10" IN FIELD - 14"	14 1/2"	2"x4"-14 1/2" 9/16" FOR FIELD. 1"x6" FOR HIPS & RIDGES	9# EACH. 1305# PER SQUARE. 145 TILE PER SQUARE.	4d NAILS BOTTOM. 8d " TOP. 12d HIP & RIDGES.	
MEDIUM CORDOVA AND ITALIAN PAN TILE		REGULARLY LAID. TOP TILE AT EAVES - 10" IN FIELD - 14"	14 1/2"	2"x2"-14 1/2" 9/16" FOR FIELD. 1"x4" FOR HIPS & RIDGES	8 1/4# EACH 72 PAN TILE - 594# 72 CORDOVA TILE - 504# TOTAL WEIGHT 1098#	4d NAILS BOTTOM. 8d " TOP. 12d HIP & RIDGES.	
AMERICAN SPANISH			10"	8 1/2"	1"x3" FOR HIPS AND RIDGES. NO STRIPS IN FIELD.	6 1/2# EACH. 1125# PER SQUARE. 180 TILE PER SQUARE.	4d NAILS 12d HIP & RIDGES
ENGLISH BROAD PAN			10"	8 1/2"	1"x3" FOR HIPS AND RIDGES. NO STRIPS IN FIELD.	5 1/2# EACH. 990# PER SQUARE. 180 TILE PER SQUARE.	6d NAILS 12d HIPS & RIDGES
ESCALONA			10"	8 1/2"	1"x4" FOR HIPS AND RIDGES. NO STRIPS IN FIELD.	6 1/4# EACH. 1125# PER SQUARE. 180 TILE PER SQUARE.	6d NAILS 12d HIPS & RIDGES
SHINGLE TILE			5 1/2"		NO STRIPS. SOLID SHEATHING.	3 1/4# EACH. 1430# PER SQUARE. 440 TILE PER SQUARE.	4d NAILS.

SECTION THROUGH RIDGE & HIP.



ELEVATION - SHINGLE TILE.

WEIGHTS SPECIFIED ARE FOR TILE ONLY AND DO NOT INCLUDE WEIGHT OF STRIPS OR ROOFING FELT.

FLASHING AGAINST BRICK WALLS TO HAVE COUNTER FLASHING.

NAIL HOLES ARE 3/4" FROM BACK EDGE OF TILE. AMERICAN SPANISH TILE HAVE TWO HOLES, STAGGERED, 3/4" & 1 1/4" FROM BACK EDGE AND 3/4" APART. HOLES ARE 1/4" DIAMETER.

WHERE CALIFORNIA MISSION & CORDOVA TILE ARE WIRED TO ROOF, FIELD, HIP & RIDGE WOOD STRIPS ARE OMITTED. USE #14 COPPER WIRE FOR TILES. SEE DETAIL ON PLATE 5.

ROOFING TILE DATA CHART

PLATE SEVEN

GENERAL OUTLINE OF SPECIFICATIONS FOR ROOFING TILE

These specifications are intended as a guide only. In using them for a particular roof the portions which do not apply should be deleted and special requirements be added. Use in conjunction with Construction Sheets. Specifications for Shingle Tile will be furnished on request.

GENERAL CONDITIONS shall govern this contract in so far as they are applicable.

WORK INCLUDED: Furnishing and laying of roofing tile on all portions of roof so shown or noted on drawings.

WORK NOT INCLUDED: Felt under tile, flashings, and metal work of all kinds, wood strips, wires, or anchors in concrete or masonry. These to be furnished and set by other contractors, but installed as directed by tile roofer.

TILE: Shall be [Cordova Small / Medium / Large] [California Mission Small / Large] [English Broad Pan] [Escalona] [Italian Pan with Medium Cordova tops]—manufactured by Gladding, McBean & Co. Hips and ridges shall be Cordova.

COLOR: Shall be the kiln run of russet burning clay with a wide variation.

LAYING: (*If for Cordova and Italian Pan Tile use this paragraph.*) Top tiles to be nailed to wood strips with eightpenny and bottom tiles with fourpenny nails, one nail to each tile. Each hip and ridge tile to be nailed with one twelvepenny nail.

(*If for Escalona and English Broad Pan Tile use this paragraph.*) Each tile to be nailed to roof sheathing with one sixpenny nail.

All nails shall be [wire, heavily galvanized / copper] of sizes given above.

(*If for irregular laying use this paragraph.*) The tiles of field, hips, and ridges shall be irregularly laid, varying slightly in the dimensions on center and considerably in the dimensions to the weather. Neither must be stretched or shortened enough to impair the weather-proof quality of the tile.

(*If for regular laying use this paragraph.*) All tiles shall be regularly laid to approximately the dimensions given on construction plates for the type of tile specified. The lines parallel to and at right angles to the eaves shall be straight and unbroken.

(*If doubled eaves use this paragraph.*) Eaves to be doubled; top or bottom eave

tile to be laid with a second short piece of tile to show a double end. The projection of the eave tiles to vary from two to four inches from the edge of the sheathing or cornice. Eave end of hips to be doubled or tripled.

(If irregular eaves with hung gutter use this paragraph.) The top tile (if Cordova) to project over hung gutter to give a ragged eave. (If Escalona) — The tiles to be broken lengthwise and a half tile tucked and nailed under the upper segment and projected over hung gutter.

CONCEALED GUTTER: The bottom or trough tiles to be omitted over concealed gutter. (Show detail on architect's drawings or refer here to Construction Plate No. 5. This paragraph applies to Cordova, California Mission and Italian Pan Tile only.)

VALLEYS: The tiles shall be neatly cut and laid at the valleys to show as little metal flashing as possible and to give a weather-proof job.

SAMPLE SQUARE: Before nailing any tiles the setter shall lay one square of tile loose on the roof for architect's inspection. He shall alter this if necessary until architect approves, and the roof shall then be laid in accordance with sample.

CEMENTING: The spaces between the field tiles and those of hips and ridges shall be filled neatly with uncolored Portland cement-mortar and the tiles firmly bedded where necessary.

GUARANTEE: Gladding, McBean & Co. shall guarantee for a period of two years from date of acceptance that the roof as furnished and laid by them shall be free from defects of workmanship or material and shall be water-tight, and shall make good, without cost to the owner, any defects in their work or material which may develop within that time. They will not be responsible for leaks caused by the work or material of others.

FELT: (This paragraph may be included in Tile Roofing Contract or in Carpentry or Composition Roofing.) Cover entire surface of roof-sheathing with prepared felt of a standard make weighing 30 pounds to a square. Lay with joints parallel to eaves, lapped at least three inches and securely nailed.

GLADDING, McBEAN & CO
SAN FRANCISCO

